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09104733-062598

3544 U.S. PTO

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

only for new nonprovisional applications under 37 CFR § 1.53(b)

|  |                                       |  |  |
|--|---------------------------------------|--|--|
| Attorney Docket No                       |                                       | 97-ST37  |  |
| First Inventor or Application Identifier |                                       | John Adam Meyers, Carl W. Keith and Huy D. Bui |  |
| Title                                    | Drill Bit With Large Cutting Elements |  |  |
| Express Mail Label No.                   | EE591286984US                         |  |  |

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97/104788

06/25/98

**APPLICATION ELEMENTS**  
See MPEP chapter 600 utility patent application contents

Address to: Assistant Commissioner for Patents  
Box Patent Application  
Washington DC 20231

1. ☒ Fee Transmittal form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☒ Specification [Total Pages 30]  
(preferred arrangement set forth below)
  - Descriptive title of the Invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to Microfiche Appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
3. ☒ Drawing(s) (35 USC 113) Total Sheets 10
4. Oath or Declaration Total Sheets 1
  - a. ☒ Newly executed (original or copy)
  - b. ☐ Copy from a prior application (37 CFR §1.63 (d)) (for continuation/divisional with Box 17 completed)
    - [Note Box 5 below]
    - i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37CFR §§1.63(d)(2) and 1.33(b).
5. ☐ Incorporation By reference (useable if Box 4b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered to be part of the disclosure of the accompanying application and hereby incorporated by reference therein.

**ACCOMPANYING APPLICATION PARTS**

8. ☒ Assignment Papers (cover sheet & documents(s))
9. ☐ 37 CFR§3.73(b) Statement ☒ Power of Attorney  
(when there is an assignee)
10. ☐ English Translation Document (if applicable)
11. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS Citations
12. ☐ Preliminary Amendment
13. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Coy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Other: \_\_\_\_\_

17. If a **CONTINUING APPLICATION**, check appropriate box, and supply the requisite information below and in a preliminary amendment:  
☒ Continuation ☐ Divisional ☐ Continuation-in-part(CIP) of prior application No: 60 / 055,861  
Prior application Information: Examiner \_\_\_\_\_ Group/Art Unit: \_\_\_\_\_

**18. CORRESPONDENCE ADDRESS**

Correspondence address below

|                   |                           |           |              |                                   |              |
|-------------------|---------------------------|-----------|--------------|-----------------------------------|--------------|
| Name              | Wesley T. Noah            |           |              |                                   |              |
|                   | Smith International, Inc. |           |              |                                   |              |
| Address           | PO Box 60068              |           |              |                                   |              |
| City              | Houston                   | State     | Texas        | Zip Code                          | 77205-0068   |
| Country           | USA                       | Telephone | 281-233-5877 | Fax                               | 281-233-5970 |
| Name (Print/Type) | Wesley T. Noah            |           |              | Registration No. (Attorney/Agent) | 35,627       |
| Signature         | <i>Wesley T. Noah</i>     |           |              | Date                              | 6/25/98      |

Attorney's Docket No.: 97-ST37

PATENT

Box Patent Application  
Assistant Commissioner for Patents  
Washington, DC 20231

NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of Inventor(s):

John Adam Meyers, Carl W. Keith and Huy D. Bui

*WARNING: Patent must be applied for in the name(s) of all the actual inventor(s). 37 CFR 1.41(a) and 1.53(b).*

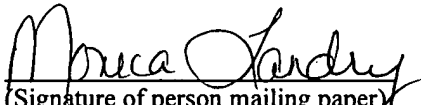
For (title): DRILL BIT WITH LARGE CUTTING ELEMENTS

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CERTIFICATION UNDER 37 CFR 1.10

I hereby certify that this New Application Transmittal and the documents referred to as enclosed therein are being deposited with the United States Postal Service on this date **June 25, 1998** in a envelope as "Express Mail Post Office Addressee" Mailing Label Number **EE591286984US** addressed to the Assistant Commissioner for Patents, Washington, DC 20231.

Monica L. Landry

  
(Signature of person mailing paper)

*NOTE: Each paper or fee referred to as enclosed herein has the number of the "Express Mail" mailing label placed thereon prior to mailing. 35 CFR 1.10(b).*

*WARNING: Certificate of mailing (first class) or facsimile transmission procedures of 37 CFR 1.8 cannot be used to obtain a date of mailing or transmission for this correspondence.*

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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**FEE TRANSMITTAL**

Patent fees are subject to annual revision on October 1.

These are the fees effective October 1, 1997.

Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12.

See 37 C.F.R. §§ 1.27 and 1.28.

TOTAL AMOUNT OF PAYMENT

(\$)1820.00**Complete if Known**

Application Number

Filing Date

First Named Inventor

John Adam Meyers

Examiner Name

Group / Art Unit

Attorney Docket No.

97-ST37**METHOD OF PAYMENT (check one)**

- 1.
- ☒
- The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit  
Account  
Number  
Deposit  
Account  
Name19-2745Smith International☐ Charge Any Additional  
Fee Required Under  
37 C.F.R. §§ 1.16 and 1.17☒ Charge the Issue Fee Set in  
37 C.F.R. § 1.18 at the Mailing  
of the Notice of Allowance

- 2.
- ☒
- Payment Enclosed:

☐ Check ☐ Money  
Order ☐ Other**FEE CALCULATION****1. BASIC FILING FEE**

| Large Entity<br>Fee Code (\$) | Small Entity<br>Fee Code (\$) | Fee Description        | Fee Paid   |
|-------------------------------|-------------------------------|------------------------|------------|
| 101 790                       | 201 395                       | Utility filing fee     | <u>790</u> |
| 106 330                       | 206 165                       | Design filing fee      |            |
| 107 540                       | 207 270                       | Plant filing fee       |            |
| 108 790                       | 208 395                       | Reissue filing fee     |            |
| 114 150                       | 214 75                        | Provisional filing fee |            |

SUBTOTAL (1) (\$)790**2. EXTRA CLAIM FEES**

| Total Claims                | Extra Claims | Fee from below | Fee Paid   |
|-----------------------------|--------------|----------------|------------|
| <u>65</u>                   | <u>45</u>    | <u>22</u>      | <u>990</u> |
| Independent Claims <u>3</u> | <u>0</u>     | <u>82</u>      | <u>0</u>   |
| Multiple Dependent          |              |                |            |

\*\*or number previously paid, if greater; For Reissues, see below

| Large Entity<br>Fee Code (\$) | Small Entity<br>Fee Code (\$) | Fee Description  | Fee Paid |
|-------------------------------|-------------------------------|--|----------|
| 103 22                        | 203 11                        | Claims in excess of 20                                     |          |
| 102 82                        | 202 41                        | Independent claims in excess of 3                          |          |
| 104 270                       | 204 135                       | Multiple dependent claim, if not paid                      |          |
| 109 82                        | 209 41                        | ** Reissue independent claims over original patent         |          |
| 110 22                        | 210 11                        | ** Reissue claims in excess of 20 and over original patent |          |

SUBTOTAL (2) (\$)1780**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

| Large Entity<br>Fee Code (\$) | Small Entity<br>Fee Code (\$) | Fee Description  | Fee Paid  |
|-------------------------------|-------------------------------|--|-----------|
| 105 130                       | 205 65                        | Surcharge - late filing fee or oath  |           |
| 127 50                        | 227 25                        | Surcharge - late provisional filing fee or cover sheet.                    |           |
| 139 130                       | 139 130                       | Non-English specification  |           |
| 147 2,520                     | 147 2,520                     | For filing a request for reexamination                                     |           |
| 112 920*                      | 112 920*                      | Requesting publication of SIR prior to Examiner action                     |           |
| 113 1,840*                    | 113 1,840*                    | Requesting publication of SIR after Examiner action                        |           |
| 115 110                       | 215 55                        | Extension for reply within first month                                     |           |
| 116 400                       | 216 200                       | Extension for reply within second month                                    |           |
| 117 950                       | 217 475                       | Extension for reply within third month                                     |           |
| 118 1,510                     | 218 755                       | Extension for reply within fourth month                                    |           |
| 128 2,060                     | 228 1,030                     | Extension for reply within fifth month                                     |           |
| 119 310                       | 219 155                       | Notice of Appeal   |           |
| 120 310                       | 220 155                       | Filing a brief in support of an appeal                                     |           |
| 121 270                       | 221 135                       | Request for oral hearing   |           |
| 138 1,510                     | 138 1,510                     | Petition to institute a public use proceeding                              |           |
| 140 110                       | 240 55                        | Petition to revive - unavoidable   |           |
| 141 1,320                     | 241 660                       | Petition to revive - unintentional   |           |
| 142 1,320                     | 242 660                       | Utility issue fee (or reissue)   |           |
| 143 450                       | 243 225                       | Design issue fee   |           |
| 144 670                       | 244 335                       | Plant issue fee  |           |
| 122 130                       | 122 130                       | Petitions to the Commissioner  |           |
| 123 50                        | 123 50                        | Petitions related to provisional applications                              |           |
| 126 240                       | 126 240                       | Submission of Information Disclosure Stmt                                  |           |
| 581 40                        | 581 40                        | Recording each patent assignment per property (times number of properties) | <u>40</u> |
| 146 790                       | 246 395                       | Filing a submission after final rejection (37 CFR 1.129(a))                |           |
| 149 790                       | 249 395                       | For each additional invention to be examined (37 CFR 1.129(b))             |           |

Other fee (specify) \_\_\_\_\_

Other fee (specify) \_\_\_\_\_

\* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)40**SUBMITTED BY**Typed or  
Printed NameWesley T Noah

Signature

Wesley T. Noah

Date

**Complete (if applicable)**

Reg. Number

35,627Deposit Account  
User ID

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.